

**SPECIFICATION**

Please insert the following paragraph on page 1, line 3.

--This invention was made with government support under Grant No. NIH-1-RO1-GM49030 awarded by the National Institutes of Health. The government has certain rights in the invention.--

Please amend the paragraph on page 7, beginning at line 11 as follows:

As shown initially in Fig 1, is a low-disturbance, pulsatile, in vitro flow device is generally shown at 10. The device includes a fluid torus 12, rotor-stage 14, driving motor 16, motion controller 16, and a measurement recording system [20] 22 utilized to observe the physiological, controllable flows in a manner to create a large thrombotic signal. The system is usually utilized in an incubator, not shown, to keep the samples at a stable temperature. As described in detail below, this includes placing a stent 24 or a graft in a torus or loop 12, as seen in the Figures. The loop 12 is then filled with the desired blood constituents and spun about its axis in a prescribed fashion. This spinning is controlled in such a way as to modulate the inertial flow of the contained fluid through transmitted shear forces from the tubing wall, thereby creating a low disturbance flow.